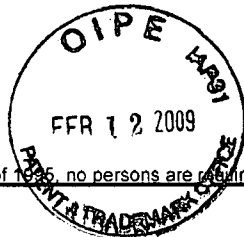


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Sheet 1

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Application Number	10/586,056
Filing Date	June 11, 2007
First Named Inventor	Elimelech ROCHLIN, et al.
Art Unit	1621
Examiner Name	Chukwuma O. Nwaonicha
Attorney Docket Number	27526U

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-5,220,043 A	06-15-1993	Zhengxin DONG, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	1	JP 2004 002215 A	01-08-2004	National Institute of Advanced Industrial Science and Technology, Japan		
	2	JP 2003 137894 A2	05-14-2003	National Institute of Advanced Industrial Science and Technology, Japan		
	3	WO 99/41266 A1	08-19-1999	Emory University		
	4	WO 95/21848 A1	08-17-1995	The United States of America, represented by the Secretary, Department of Health and Human Services		
	5	WO 93/19760 A1	10-14-1993	The Biomembrane Institute		

Examiner
Signature

/Chukwuma Nwaonicha/

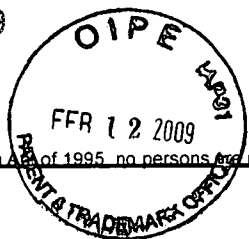
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Application Number	10/586,056
Filing Date	June 11, 2007
First Named Inventor	Elimelech ROCHLIN, et al.
Art Unit	1621
Examiner Name	Chukwuma O. Nwaonicha
Attorney Docket Number	27526U

Sheet 1 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	LORENZ, Peter et al., "Synthesis of N-Lost derivatives. II. Reaction of N-bis(2-chloroethyl)phosphoramidic dichloride with 1-Aminopropane-2,3-diol," Archiv der Pharmazie, 1986, pp. 1023-1027, vol. 319 (11), VCH Verlagsgesellschaft mbH, Weinheim, GERMANY.	
	2	RAMSTEDT, Bodil et al., "Comparison of the Biophysical Properties of Racemic and d-Erythro-N-Acyl Sphingomyelins," Biophysical Journal, September 1999, pp. 1498-1506, vol. 77 (3), Biophysical Society.	
	3	KRATZER, Bernd et al., "Efficient Synthesis of Sphingosine-1-phosphate, Ceramide-1-phosphate, Lysosphingomyelin, and Sphingomyelin," Liebigs Annalen, 1995, pp. 957-963, VCH Verlagsgesellschaft mbH, Weinheim, GERMANY.	
	4	ZANGLIS, Anthony et al., "The Biological Activity of Acetylated Sphingosylphosphorylcholine Derivatives," International Journal of Biochemistry & Cell Biology, 1996, pp. 63-74, vol. 28 (1), Elsevier Science Ltd., GREAT BRITAIN	
	5	THOMPSON, Charles M. et al., "Synthesis, Configuration, and Chemical Shift Correlations of Chiral 1,3,2-oxazaphospholidin-2-ones derived from L-Serine," Journal of Organic Chemistry, 1990, pp. 111-116, vol. 55, American Chemical Society.	
	6	HE, Zheng-Jie et al., "Synthesis of Novel Optically Active Cyclic Phospholipid Conjugates of Tegafor and Uridine starting from L-serine," Phosphorous, Sulfur and Silicon, 2000, pp. 223-232, vol. 160, Overseas Publishers Association Amsterdam N.V., MALAYSIA.	
	7	BRUZIK, Karol S., "Synthesis and Spectral Properties of Chemically and Stereochemically Homogenous Sphingomyelin and its Analogues," Journal of the Chemical Society Perkin Transactions 1, 1988, pp. 423-431.	
	8	DO, Un Hoi et al., "Mild Alkali-stable Phospholipids in Chicken Egg Yolks: Characterization of 1-Alkenyl and 1-Alkyl-SN-Glycero-3-Phosphoethanolamine, Sphingomyelin, and 1-Alkyl-SN-Glycero-3-Phosphocholine," Journal of Lipid Research, 1980, pp. 888-894, vol. 21.	
	9	MARTIN, M.-J. et al., "Distribution of Bovine Milk Sialoglycoconjugates During Lactation," Journal of Dairy Science, 2001, pp. 995-1000, vol. 84, American Dairy Science Association.	
	10	MARTIN, Maria-Jesús. et al., "Bovine Milk Gangliosides: Changes in Ceramide Moiety with Stage of Lactation," Lipids, 2001, pp. 291-298, vol. 36 (3), AOCs Press.	
	11	BENDA, P. et al., "Testing of TKT Medium for Streptococcus agalactiae Screening in Bulk Milk Samples," Vet. Med.-Czech., 1997, pp. 71-80, vol. 42 (3).	
	12	Avanti Polar Lipids Inc. Products Catalog Edition VI, p. 58.	

13	BARENHOLZ, Yechezkel et al., "Sphingomyelin: Biophysical Aspects," Chemistry and Physics of Lipids, 1999, pp. 29-34, vol. 102.	
14	BARENHOLZ, Y. et al., "Sphingomyelins in Bilayers and Biological Membranes," Biochimica et Biophysica Acta, 1980, pp. 129-158, vol. 604, Elsevier/North-Holland Biomedical Press.	
15	BARENHOLZ, Y. et al., "A Calorimetric Study of the Thermotropic Behavior of Aqueous Dispersions of Natural and Synthetic Sphingomyelins," Biochemistry, 1976, pp. 2441-2447, vol. 15 (11).	
16	ECKHARDT, Erik R.M. et al., "Dietary Sphingomyelin Suppresses Intestinal Cholesterol Absorption by Decreasing Thermodynamic Activity of Cholesterol Monomers," Gastroenterology, 2002, pp. 948-956, vol. 122, American Gastroenterological Association.	
17	Morrison, W.R. et al., "Polar Lipids in Bovine Milk: II. Long-chain Bases, Normal and 2-Hydroxy Fatty Acids, and Isomeric CIS and TRANS Monoenoic Fatty Acids in the Sphingolipids," Biochimica et Biophysica Acta, 1970, pp. 460-467, vol. 202.	
18	Greene, T.W. et al., Protective Groups in Organic Synthesis, Second Edition, 1980, John Wiley & Sons, Inc.	

Examiner Signature	/Chukwuma Nwaonicha/	Date Considered	04/18/2009
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